

REMARKS

Claims 1, 3, 5-7, 10-62 and 64-74 are pending. Claims 1, 16, 36, 51, and 59 are amended to more particularly point out and distinctly claim Applicants' invention.

The Examiner rejected Claims 1, 3, 5-7, 9, 12-16, 18-21, 23-24, 28-29, 33, 36, 40-42, 44, 47-51, 53-55, 57, 59, 61-62, 66, 68 and 71-74 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 6,587,789 ("van Diggelen").

Applicants respectfully traverse the Examiner's rejection. As amended, Applicants' Claim 1 recites:

1. (Currently amended) A positioning information distribution system comprising:

an information processing station connected to and accessible via a data network, said information processing station having a database for storing navigation information regarding satellites in a positioning system and differential correction data;

a plurality of receiving stations each including a positioning system receiver and a transmitter, said positioning system receiver receiving navigational messages from one or more of said satellites in said positioning system and transmitting said navigation information extracted from the navigational messages to said information processing station via a data link for storage at said database; and

a mobile unit including a positioning system receiver and a data processing unit, said mobile unit receiving positioning signals from a subset of satellites being in line-of-sight of said mobile unit and communicating with said data network using wireless communication, wherein said mobile unit processes said positioning signals and said navigation information and differential correction data obtained from said information processing station over said data network to compute a measured position of said mobile unit.

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Such an architecture for a positional information distribution system is neither disclosed nor suggested by van Diggelen. Contrary to the Examiner's assertion, providing differential correction data from an information processing station is neither disclosed nor suggested by Van Diggelen. Van Diggelen's col. 1, lines 34-44 and col. 6, lines 62-66 disclose merely providing almanac data to compute a Doppler frequency. As described in Applicants' specification, at page 19, lines 3-20, differential correction data relate to delta-pseudo-range and positional correction data. As described in Applicants' Specification, at page 18, lines 14-20, differential correction data allows improved accuracy in the measured position. Thus, Applicants respectfully submit that Claim 1 and dependent Claims 3, 5-7, 12-16, 18-21, 23-24, 28-29 and 33 are each allowable over van Diggelen. As each of Claims 36 and 59 recites providing differential correction data from an information processing station, Claim 36 and dependent Claims 40-42, 44, 47-51, 53,-55, 57 and Claim 59 and dependent Claims 61-62, 66, 68 and 71-74 are likewise each allowable over van Diggelen.

Reconsideration and allowance of Claims 1, 3, 5-7, 12-16, 18-21, 23-24, 28-29, 33, 36, 40-42, 44, 47-51, 53,-55, 57, 59, 61-62, 66, 68 and 71-74 are therefore requested.

The Examiner rejected Claims 17, 25-27, 38-39, 43, 52, 60, 65, and 67 under 35 U.S.C. § 103(a) as being unpatentable over van Diggelen in view of U.S. Patent 6,222,483 ("Twitchell"), the Examiner citing Twitchell for teaching triangulation not taught in van Diggelen. Applicants respectfully traverse the Examiner's rejection. As each of Claims 17 and 25-27 depend from Claim 1, the combined teachings of van Diggelen and Twitchell under the Examiner's construction neither disclose nor suggest the architecture for a positioning information distribution system of Claim 1, as discussed above. Thus, Claims 17 and 25-27 are each allowable over the combined teachings of van Diggelen and Twitchell. Similarly, Claims 38-39, 43 and 52, each depending from Claim 36, and Claims 60, 65 and 67, each

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depending from Claim 59, are each allowable over the combined teachings of van Diggelen and Twitchell. Reconsideration and allowance of Claims 17, 25-27, 38-39, 43, 52, 60, 65, and 67 are therefore requested.

The Examiner rejected Claims 10-11, 30-35, 45-46, and 69-70 under 35 U.S.C. § 103(a) as being unpatentable over van Diggelen in view of U.S. Patent 6,583,756 (“Sheynblat”), the Examiner citing Sheynblat for teaching satellite health information not taught in van Diggelen. Applicants respectfully traverse the Examiner rejection. Each of Claims 10-11, 30-35, 45-46 and 69-70 depends from one of Claims 1, 36 and 59, and thus are allowable over van Diggelen for the reasons stated above. Thus, Claims 10-11, 45-46 and 69-70 are each allowable over the combined teachings of van Diggelen and Sheynblat. Reconsideration and allowance of Claims 10-11, 30-35, 45-46 and 69-70 are therefore requested.

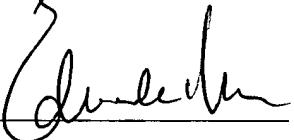
The Examiner rejected Claims 37 and 64 under 35 U.S.C. § 103(a) as being unpatentable over van Diggelen, the Examiner taking official notice that the scope of the claimed invention is unchanged by changing the number of GPS satellites from 28 satellites to 24 satellites. Because Claims 37 and 64 depend from Claims 36 and 59, respectively, each of Claims 37 and 64 are allowable over van Diggelen for the reasons already stated above with respect to Claims 36 and 59. Reconsideration and allowance of Claims 37 and 64 are therefore requested.

The Examiner rejected Claims 22 and 56 under 35 U.S.C. § 103(a) as being unpatentable over van Diggelen, even though van Diggelen does not teach the use of a T1 link for the data link. The Examiner instead takes official notice that a T1 link is a landline. Because Claims 22 and 56 depend from Claims 1 and 36, respectively, each of Claims 22 and

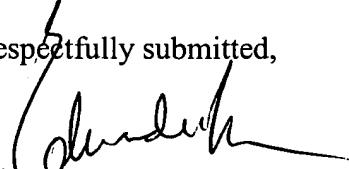
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56 are allowable over van Diggelen for the reasons already stated above with respect to Claims 1 and 36. Reconsideration and allowance of Claims 22 and 56 are therefore requested.

For the foregoing reasons, Applicants submit that all pending claims (i.e., Claims 1, 3, 5-7, 10-62 and 64-74) are each allowable over the prior art of record. Reconsideration and allowance of these claims are respectfully requested. If the Examiner has any questions regarding the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicants at 408-392-9250.

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Respectfully submitted,


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